

**TITLE**

**Modified Polyacetals for Decorative Applications**

**ABSTRACT OF THE DISCLOSURE**

5       A painted polyacetal article comprises a polyacetal substrate  
comprising 90 – 99.5wt% polyacetal and 0.5 – 10wt% of semicrystalline or  
amorphous thermoplastic non-polyacetal resin of molecular weight 1,000 –  
50,000; and a paint applied to the polyacetal substrate from a solvent-  
borne, water-borne or powder 1K paint system onto a surface of the  
polyacetal substrate pretreated to enhance exposure of said  
10       semicrystalline or amorphous thermoplastic non-polyacetal resin of the  
substrate to the applied paint. The paint is a thermoplastic or partly  
thermoplastic non-thermosetting paint. A layer of thermosetting paint or  
varnish can be applied over the thermoplastic paint. The painted polyacetal  
article has improved paint adhesion and good retained physico-mechanical  
15       properties.